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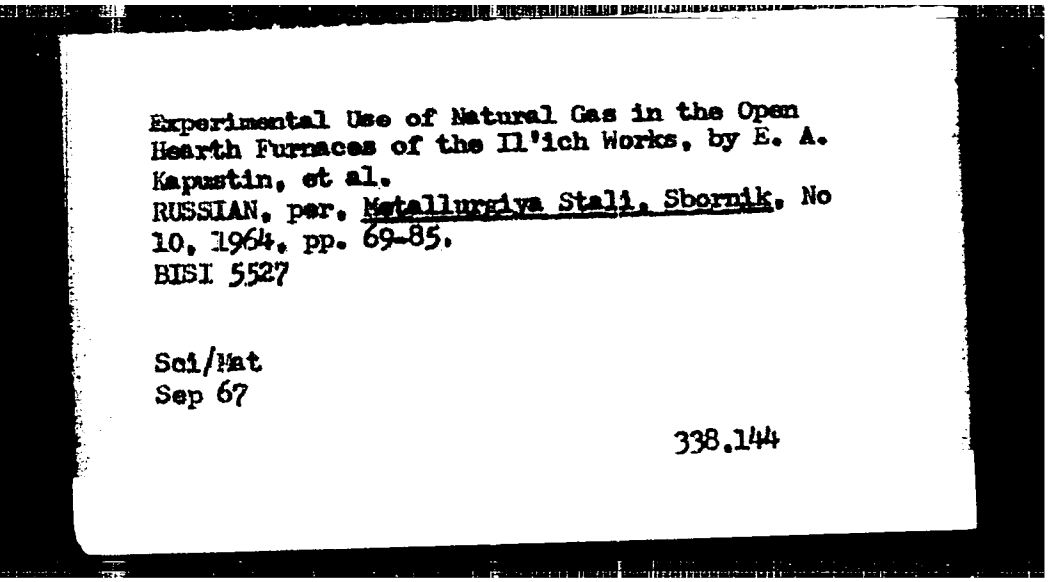

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Jul 1956

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No 3911
$2.90

53,204

Sci - Min/Metals
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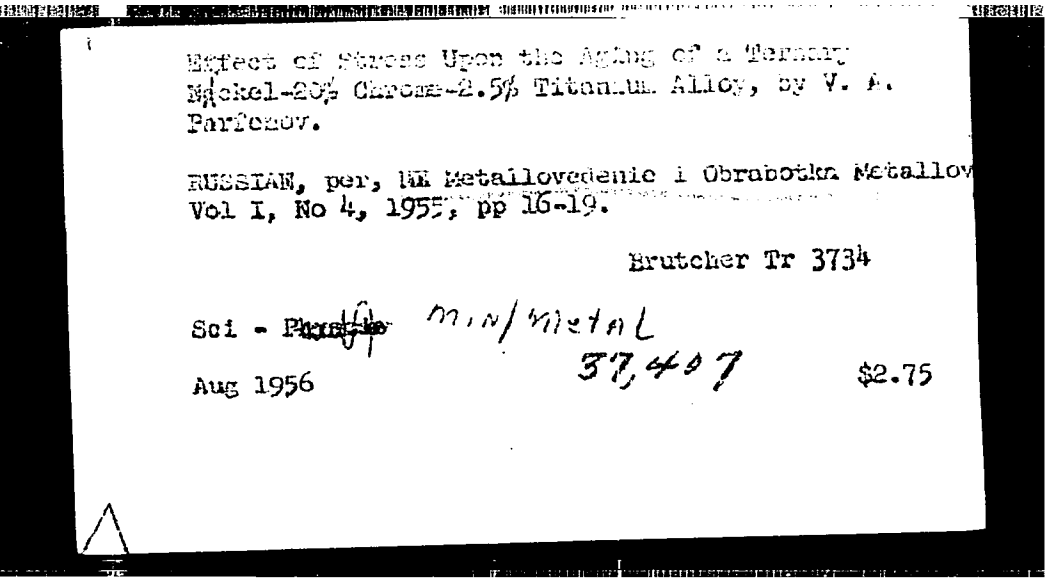

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Brutcher Tr 3734

Sci - Phys Min/Metal

37,407

Aug 1956 $2.75

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34053
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Scientific - Min/Metals May 56 CFS/DSX

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$3.45

42,899

Sci - Min/Metals
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Henry Brutcher 4196
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Sci - Min/Met
Chem
Oct 58

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Henry Brutcher
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50,702

Sci - Min/Metals
Aug 57

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Henry Brutcher
Tr 3847
$6.25

50, 734

Sci - Min/Metals, metallurgy
Aug 57

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Brutcher No 3736
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Sci - Min/Metals
Jan 57 CEB

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Henry Brutcher Tr 3703

Sci - Minerals/Metals, Engineering, Chemistry

May 1956 $3.85 34,902

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Sci - Electricity

42,764
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Jul 1956

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Berlin, W. 8
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Apr 60

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Sci - Min/Met
Feb 59

79,999

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Henry Brutcher 4551
$3.50

Sci - Engr

May 59

Aluminum - Alloy Std.
B-TM-23[illegible]-51
OT/3547
86,632

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Brutcher Tr 3977
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60,370

Sci - Min/met
Mar 58

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Henry Brutcher Tr No 3732
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47,038

Sci - Min/Metals
Apr 1957 CTB/dex

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Sci - Min/Metals

May 61

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Brutcher Tr 3737

Sci - Minerals/Metals 37,121

Aug 1956 $1.90

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ATS 83-17R
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Sci - Min/Met
Jul 59

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$5.90 43,908

Sci - Physics
Feb 1957 CIS

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Sci - Min/Metals
Jan 57 CTS
$4.75

42,577

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Exk Brutcher Tr 3799
$2.90

38,532

Sci - Min/Metals
Sep 56 CFS

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Henry Brutcher
Tr No 3812
$9.50 43-124

Sci - Min/Metals
Mar 1957 CTS/dex

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NLL
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Tr 780

Sci - Min/Metals
Jul 1958

67,676

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G. M. Shuval, et al

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Brutcher No 3806
$3.40

41,430

Sci _ Min/Metals
Dec 56 CTS

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E.G. Shumovskii.
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Obrabotka Metall, No 7, 1956, pp 10-15
GB/41/3645 - Price £6. 15s

Sci -
Jul 67 335,050

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E. G. Shumovskiy.
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1956, pp 10-17.
BISI 3645

Sci - M/M
Jun 64

261,134

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AEC-tr-5463

Sci - m/m

Jan 63

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Henry Brutcher Tr 3813

$3.75

Sci - Minerals/Metals; Engineering
Feb 1957 CTS

43,907

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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Nitriding of Titanium in Ammonia, by A. N. Minkevich, A. D. Tayner, Yu. A. Zot'ev.

RUSSIAN, mo per, Metallovedenie i Obrabotka Metallov, Vol II, No 7, 1956, pp 39-48.

D.S.I.T-615

Henry Brutcher Tr 3814

$7.75 43,902

Sci - Chemistry; Minerals/Metals
Feb 1957 CTS

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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Mechanical Nature of Temper Brittleness, by N. V. Tolstoguzov.

RUSSIAN, mo per, M Metallov i Obrabotka Metallov, Vol II, No 8, 1956, pp 28-30.

Henry Brutcher
Tr 3854
$3.25

Sci - Min/Metals
Aug 57

50,710

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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Study of Deformability of Technical Iron in the As-Cast State, by G. N. Mekhed.

RUSSIAN, mo per, Metallovedenie i Obrabotka Metallov, No 8, Aug 1956, pp 43-47.

Brutcher Tr 3970
$4.80

Sci - Min/~~MK~~ Metals

Jan 58

57,035
SLA - HB-3970

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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Influence of Some Alloying Elements on the Susceptibility of Steel to Temper Embrittlement, by M. L. Bernshtein.

RUSSIAN, mo per, Metallov i Obrabotka Metallov, Vol II, No 9, 1958, pp 29-30.

Henry Brutcher
Tr 3855
$5.80

Sci - Min/Metals, metallurgy 50,733
Aug 57

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Gas Corrosion of Austenite Steels at High Temperatures, by Ye. A. Davidovskaya, L. P. Kestel', 5 pp.

RUSSIAN, per, Metall i Obrabot Metallov, No 10, 1956, pp 29-34.

CEA R-1254
CIA/Z-357 Rev Trans

Sci - Min/met
May 57 CTS/dex

47, 533

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Grain Growth of Technical Titanium on Heating,
by ~~Em~~ L. N. Sokolov.

RUSSIAN, mo per, Metallov i Obrabotka Metallov,
Vol. II, No 10, 1956, pp 34-36.

Henry Brutcher
Tr 3856
$3.30

Sci - Min/Metals, metallurgy; Chem
Aug 57

50,684

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

The Effect of the Rate of Deformation Upon the Plasticity of Hardened Steel, by S. S. Shurakov.

RUSSIAN, per, Metall i Obrab Metallov, Vol X, 1956, pp 57-63.

DSIR/31216/CT

Sci - Physics, Min/met
Feb 58

58,841

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Investigation of Fatigue Under Repeated Impact, by N. N. Davidenkov, E. I. Belyayeva.

RUSSIAN, per, Metal Obra Metallov, No 11, 1956, pp 4-10.

HB 4719

Sci - T Min/Met

Jan 60

TIL [illegible]716

106,206

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Formation Time of the Martensite Crystal, by V. N. Arskiy, 12 pp.

RUSSIAN, per, Metalloved i Obrabotka Metal, No 11, 1956, pp 26-29.

AEC UCRL-Trans-647(L)

Sci
Jun 61

156, 087

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

The Nature of Reversible Temper Brittleness, by L. J. Goldshtein. UNCL

RUSSIAN to FRENCH, per, Metallov i Obra Met, No 11, 1956, pp 36-39.

IRSID 916
185, Rue President-Roosevelt
St. German-en-Laye
(S-et-O), France

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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Sintin, a New and Efficient Agent for Gas Carburizing, by A. T. Kalinin, M. N. Kunyavskiy, A. Ya. Zaitseva.

RUSSIAN, mo per, Metallovedeniye i Obrabotka Metallov No 11, Nov 1956, pp 40-49.

Henry Brutcher
No 3975
$8.80 53,199

Sci - Min/Metals
Sep 57

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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Wear Characteristics of the Residual Austenite in Isothermally Quenched Grey Cast Iron, by A. N. Chukhlev.

RUSSIAN, per, Metallk i Obra Metallova, No 12, 1956, pp 33-35.

AEI T/1736

Sci
Jun 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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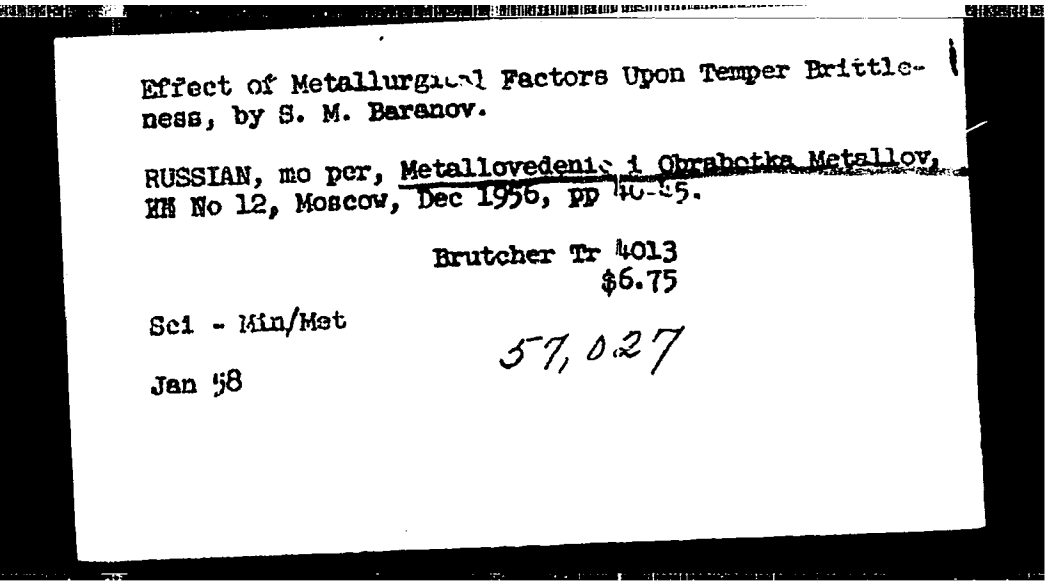

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RUSSIAN, mo per, Metallovedeniye i Obrabotka Metallov, MM No 12, Moscow, Dec 1956, pp 40-45.

Brutcher Tr 4013
$6.75

Sci - Min/Met

Jan 58

57,027

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Effect of Tempering Upon Mechanical Properties of Chrome-Plated Steel Parts, by V. S. Borisov, F. N. Naumov.

RUSSIAN, mo per, Metallovedenie i Obrabotka Metallov, No 12, Dec 1956, pp 50-56.

Brutcher Tr 4040
$4.80

Sci - Min/Met

57,370

Jan 58

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

The Process of Carbide Formation During Tempering of Carbon Steel, by B. A. Apayev.

RUSSIAN, per, Metal i Obrabotka Metallov, No 1, 1957, pp 2-15.

Dept of Interior
Bur of Mines

Sci - Min/Met

Apr 58

61,181

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Effect of Residual Stresses on the Contact Fatigue Strength of Rolls Used in Cold Rolling, by V. N. Novikov, 19 p.

RUSSIAN, per, Metallovedeniye i Termicheskaya Obrabotka Metallov, 1957, No 1, pp 43-50.

SLA 60-10232

Sci
Apr 60
Vol XII, No 3

111,986

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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RUSSIAN, per, Metalloved i Obrabotka Metal, 1957, No 2, pp 49-54.

ATS RT - PY

Assoc Tech Serv 00316R

Sci
Aug 58

Henry Brutcher
4046

70,902

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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Reactions Involved in the Impregnation of Steel Surfaces With Metals, by V. A. Illarionov.

RUSSIAN, mo per, Metallov i Obrabotka Metallov, No 3, Mar 1957, pp 2-8.

Henry Brutcher
Tr 3967
$7.75

Sci - Min/Metals
Aug 57

50,683

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Sigma Phase in 25-20 Steel Welds, by B. I. Medovar.

RUSSIAN, mo per, Metallov i Obrabotka Metallov, No 3, Mar 1957, pp 27-30.

Henry Brutcher
Tr 3954
$2.85

Sci - Min/Metals
Aug 4 57

50,682

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Effect of Isothermal Heat Treatment on Fatigue Strength and Wear Resistance of Steel, by M. B. Shapiro.

RUSSIAN, per, Metal i Obrav Metalloy, No 3, 1957, pp 57-60.

HB 4202

Sci - Min/Met

Oct 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Wear Resistance of Plain Carbon and High Chromium Steels, by D. Ya. Vishnyakov, A. G. Vinitskii.

RUSSIAN, per, Metal i Obrabotka Metallov, No 4, Apr 1957, pp 2-9.

Brutcher Tr 4137
$6.70

Sci - Min/Met

Aug 58

68,207

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

The Effect of Degree of Vacuum During Annealing on the Properties of Transformer Steel, by N. F. Durbov, et al.

RUSSIAN, per, Mat i M Obrab Metall, No 4, 1957, p 51.

Co-op Tr Sch Tr 439

Sci - Min/met
Mar 58

69,173
DSIR/32717 JT

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Study of Zone of Failure in Creep, by I. L. Mirkin, I. I. Trunin.

RUSSIAN, per, Metallovedenie I Obrabotka Metallov, No 6, June 1957, pp 2-7.

Brutcher Tr 3979
$5.75

Sci - Min/Met

Apr 58

61,427

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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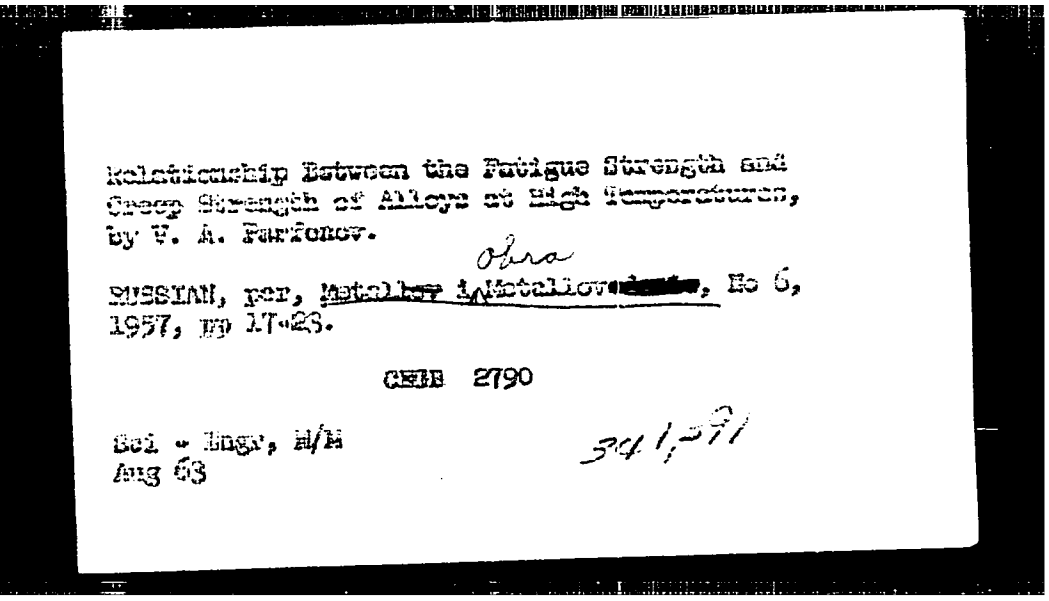

Relationship Between the Fatigue Strength and Creep Strength of Alloys at High Temperatures, by V. A. Fartonov.

RUSSIAN, per, Metallov i Metallov[redacted], No 6, 1957, pp 17-23.

CSIR 2790

Sci - Engr, M/M
Aug 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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Discussion of Temper Brittleness - A Summation, Part I, by V. D. Sadovskiy.

RUSSIAN, per, Metallovedenie I Obrabotka Metallov, No 6, June 1957, pp 24-31.

Brutcher Tr 3980
$8.80

Sci - Min/Met

Apr 58

61, 4440

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Discussion of Temper Brittleness, by ~~Axx~~
V. D. Sadovskiy.

RUSSIAN, per, Metallov i Obratka Metall, No 6,
1957, pp 31-42.

Brutcher Tr 4043
$9.90

Sci - Phys

Jun 58

65,723

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Surface Boronising of Low-Alloy Steels, by
V. D. Teran et al. (UNCLASSIFIED)

RUSSIAN, per, Metal i Term Metallov, No 6, 1957
pp 43-47.

Co-op Tr Scheme 529
(L 2.)

Jan 58
Sci - Min/Met

77,838
SLA: 61-18826

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

The Brittleness of Welded Seams of Titanium Caused by Hydrogen, by S. M. Gurevich, 6 pp.

RUSSIAN, per, Metall i Obrabotka Metallov, No 6, 1957, pp 47-50.

CIA/FDD X-3034

Sci - Minerals/Metals
Aug 58

70,985

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

On the Mechanism of Hot Cracking of Welds, by V. A. Toropov.

RUSSIAN, no per, Metallovedenie i Obrabotka Metallov, No 6, Moscow, Jun 1957, pp 54-58.

Brutcher Tr 3982
$4.80

Sci - Min/Met

Jan 58

57,023
SLA-HB-3982

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Change in Strucutre of Cemented Carbides on Heating.
by P. K. Mikhailova.

RUSSIAN, per, Met i Obrab Metall, No 7, Jul 1957,
pp 45-48.

Brutcher Tr 4045
$2.50

60, 375

Sci - Physics
Mar 58

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Properties of the Deformed Alloys of the System Titanium-Aluminum at Elevated Temperature, by R. N. Nikitenko, 8 pp.

RUSSIAN, per, Metall i Obrabotka Metallov, No 8, 1957, pp 7-14.

CIA/FID X-3036

Sci - Minerals/Metals
Aug 58

70,987

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Magnetic Investigation of Tempering of Nitrided Iron and Steel, by V. G. Permyakov, 3 pp.

RUSSIAN, per, Metallovedeniye i Obrabotka Metalov, No 8, Aug 1957, pp 15, 16.

US JPRS/DC-18
E-596/2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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RUSSIAN, per, Metallovedeniye i Obrabotka Metallov, No 8, 1957, pp 21-24.

SLA 60-16994

196,876

Sci
May 62

Vol 4, No 10

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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RUSSIAN, per. Metall i Obrab Metall, No 8, 1957, pp 51-61. 9662372.

ATIC MCL 547/1

Sci - Min/Met
Jun 61

154937

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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The Effect of Composition of Mild-Steel Sheet on Its Impact Strength and Tendency to Ageing, by I. E. Brainin, et al. UNCLASSIFIED

RUSSIAN, per, Metal i Obrabotka Metallov, No 9, 1957, pp 2-4

*DSIR/TCL 106

Sci - Min/Met Co-op Tr Scheme 506

Oct 58

82,023

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Wear Resistance of Steel Surface-Impregnated With Carbide-Forming Elements, by G. N. Dubinin,

RUSSIAN, per, Metal i Obrab i Metallov, No 9, Sep 1957, pp 21-25.

Brutcher Tr 4015
$3.50

Sci - Min/met
Mar 58

60,373

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Effect of Lithium on Certain Properties of an Austenitic Steel, by R. P. Zaletayeva.

RUSSIAN, per, Metal i Obra Metallov, No 9, Sep 1957, pp 25-27.

Brutcher Tr 4262
$3.25

Sci - Min/Met

Sep 58

72,585

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Increasing the Strength and Wear Resistance of Machine Parts by Roller-Burnishing, by Darato, UNCLASSIFIED

RUSSIAN, per, Metallov i Obra Mab, No 9, 1957, pp 47-51.

NLL 11-4-[illegible]
British Iron and Steel Inst 660
(12.10.0)
76.272

Sci - Engr
10 Nov 58

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

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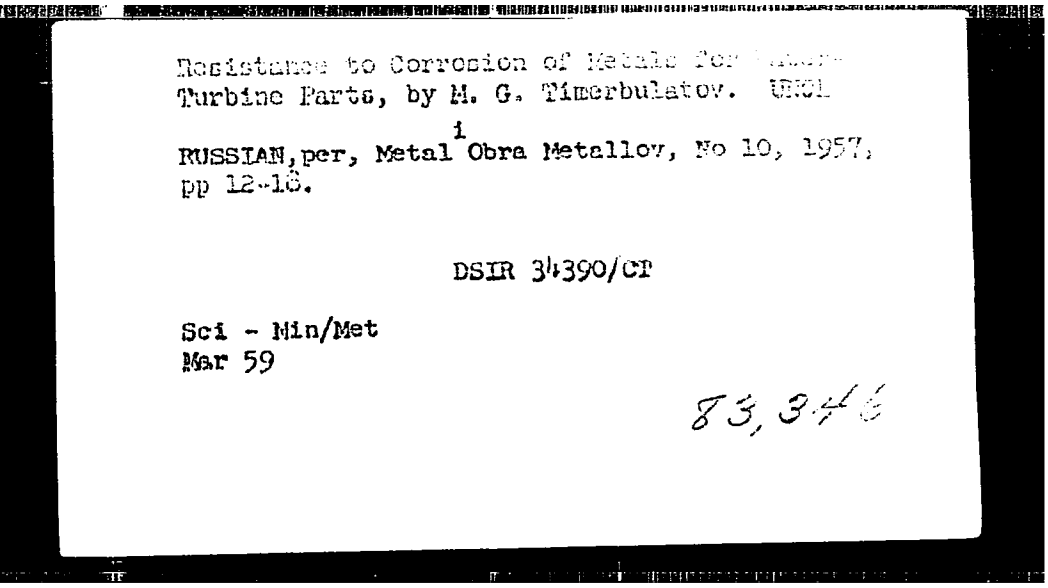

Resistance to Corrosion of Metals for Turbine Parts, by M. G. Timerbulatov. UNCL

RUSSIAN, per, Metal i Obra Metallov, No 10, 1957, pp 12-18.

DSIR 34390/CP

Sci - Min/Met
Mar 59

83, 3.4 6

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Effect of Carbon on the Endurance Limit of Case-Carburized Steel, by I. D. Rybasenko.

RUSSIAN, per, Metal i Obra Metallov, No 10, 1957, pp 19-21.

Henry Brutcher 4514
$2.50

Sci - Min/Met

May 59

86,635

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2

Solidification of Hypereutectic Magnesium-Treated Cast Iron, by A. V. Chernovol.

RUSSIAN, per, Met i Obrab Metall, No 10, 1957, pp 21, 22.

Brutcher Tr 4044
$2.90

Sci - Min/met
Mar 58

60, 367

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300840056-2